Lab 2 Specifications

Lab & zyBook Collaboration Policy

One of the most effective ways of learning to code is to participate in coding sessions: a bunch of you all working on the same project; or you code one part, someone else does another part, and then you have to make the parts work together; or a student helps you debug a problem with your code, or vice-versa; or you explain a concept to your study group; and so on.

We *really, really* want you to experience this vital social dimension of our discipline as much as possible, so we *urge* you to set up a study group *(3 or 4 students is a great size)*, or just work with a partner on the "training" aspects of this course: zyBook activities, lab exercises.

Since C9 is an online IDE many of you will use it from on campus and at home. We encourage you to invite other students into your Cloud9 **Public** practice workspace to work together on labs, codelab or programming tasks you are just playing around with.

You could even set up a "virtual" study group that meets regularly on Cloud9.

See full Collaboration Policy.

Goals

By the end of this lab you should:
- be more familiar with arrays
- be more familiar with c-style strings
- be more familiar with cstring library functions

strcat implementation

1. Define your own version of the strcat function that works exactly like the cstring library's strcat function, except call yours mystrcat and make the return type void.

```
void mystrcat( char destination[], const char source[] );
```

string concatenation [adapted from the definition at cplusplus.com]
Appends a copy of the C-style string source to the destination C-style string. The terminating null character in destination is overwritten by the first character of source, and a null character is included at the end of the new C-style string formed by the concatenation of both in destination.

Parameters
destination

- The destination array, which should contain a C-style string, and be large enough to contain the concatenated resulting string.

<u>source</u>
- C-style string to be appended.

Return Value
- Nothing is returned (void)

Note: You must not use strcat or any other cstring functions in your code, including in the main function (test harness). In fact, do not even include the cstring library for this exercise.

Submission:
Submit your source code to R'Sub (galah.cs.ucr.edu) in a file named main.cpp.